


USER: SIECAW  
Fricke, March 17, 2008  
DATE: 03-20-08  
DWG: ... (standard 2008) (wp610.dgn)

TYPE 'A' - LEVEL FILL BEHIND WALL (NO SURCHARGE)													
HEIGHT OF WALL (ft.)	DIMENSIONS							REINFORCING BARS					
	A	B	C	D	E	F	G	FULL HEIGHT VERTICAL BARS (ALT. W/ SHORT BARS)	SHORT VERTICAL BARS (ALT. W/ FULL HEIGHT BARS)	TRANSVERSE BARS, BASE		LONGITUDINAL BARS, BASE (#4)	
										TOE BARS	HEEL BARS	NO. OF TOE BARS	NO. OF HEEL BARS
3	9"	1'-0"	1'-0"	10"	2'-9"	1'-0"	3'-6"	#3 at 24"	#3 at 24"	#3 at 12"	#3 at 12"	2	2
4	10"	1'-0"	1'-2"	1'-0"	3'-0"	1'-0"	3'-6"	#4 at 24"	#4 at 24"	#3 at 12"	#3 at 12"	2	2
5	1'-0"	1'-0"	1'-10"	1'-1"	3'-10"	1'-0"	3'-9"	#4 at 24"	#4 at 24"	#3 at 12"	#3 at 12"	2	3
6	1'-1"	1'-1"	2'-1"	1'-4"	4'-3"	1'-1"	4'-3"	#4 at 24"	#4 at 24"	#3 at 12"	#3 at 12"	2	3
7	1'-2"	1'-1"	2'-9"	2'-0"	5'-0"	1'-1"	4'-9"	#4 at 17"	#4 at 17"	#3 at 12"	#4 at 11 1/2"	3	3
TYPE 'B' - SURCHARGED FILL BEHIND WALL (MAX. SURCHARGE SLOPE 11 : 7)													
3	10"	1'-0"	1'-6"	1'-2"	3'-4"	1'-0"	3'-9"	#3 at 14"	#3 at 14"	#3 at 12"	#3 at 12"	2	3
4	1'-0"	1'-0"	1'-10"	1'-6"	3'-10"	1'-0"	3'-10"	#4 at 16"	#4 at 16"	#3 at 12"	#3 at 12"	2	3
5	1'-4"	1'-0"	2'-8"	1'-11"	5'-0"	1'-0"	4'-0"	#4 at 14"	#4 at 14"	#3 at 9 1/2"	#3 at 11"	2	4
6	1'-6"	1'-11/2"	3'-7 1/2"	2'-10 1/2"	6'-3"	1'-11/2"	4'-6"	#5 at 17"	#5 at 17"	#3 at 8"	#3 at 8"	2	4
7	1'-8"	1'-3"	4'-1"	3'-4"	7'-0"	1'-3"	5'-0"	#5 at 13"	#5 at 13"	#4 at 12"	#4 at 10"	3	5

	CITY PROJECT NO.	SHEET NO.
	LSP	1
	Date: 03-20-08	Drawn: CAW
	Scale: NONE	Checked: Approved:

QUANTITIES PER LINEAR FOOT OF WALL							
TYPE 'A' (LEVEL SURFACE)							
HEIGHT OF WALL (FEET)	CONCRETE (CU. YD.)	REINFORCING STEEL (LBS.)	DAMP-PROOFING SQ. YD.)	ADDITIONAL CONCRETE		ADDITIONAL REINF. STEEL	
				ONE WALL CORNER (CU. YD.)	ONE ENTRANCE CORNER (CU. YD.)	ONE WALL CORNER (LBS.)	ONE ENTRANCE CORNER (LBS.)
3	.284	9.38	.572	0.8	0.13	70	26
4	.324	11.9	.669	1.1	0.13	86	35
5	.386	14.4	.779	1.7	0.15	127	42
6	.457	15.7	.891	2.2	0.17	147	48
7	.516	21.3	1.002	3.1	—	221	—
TYPE 'B' WALL (SURCHARGED)							
3	.305	11.7	.572	1.1	0.14	93	27
4	.355	14.9	.669	1.5	0.15	121	35
5	.428	18.9	.779	2.5	0.18	185	42
6	.549	24.4	.891	4.1	.023	293	53
7	.663	33.6	1.002	5.5	—	419	—

NOTE:  
ALL EXPOSED EDGES OF CONCRETE SHALL BE CHAMFERED 3/4 "

MINIMUM COVERING, MEASURED FROM FACE OF THE CONCRETE TO THE SURFACE OF ANY REINFORCING BARS SHALL BE 3".

EXPANSION JOINTS SHALL BE PLACED IN WALLS AT NOT MORE THAN 50'-0" INTERVALS ARE AT LOCATIONS TO BE DETERMINED BY THE ENGINEER, AND AT 8'-0" FROM ALL WALL AND ENTRANCE CORNERS. LONGITUDINAL BARS SHALL BE CUT AT EXPANSION JOINTS.

DUMMY JOINTS SHALL BE PLACED IN THE FACE OF WALLS AT LOCATIONS TO BE DETERMINED BY THE ENGINEER.

A CONTROL JOINT SHALL BE PLACED MIDWAY BETWEEN EXPANSION JOINTS OR MIDWAY BETWEEN EXPANSION JOINT AND THE END OF THE RETAINING WALL, EXCEPT CONTROL JOINTS MAY BE DELETED WHERE THE DISTANCE BETWEEN EXPANSION JOINTS OR THE DISTANCE BETWEEN EXPANSION JOINT AND END OF RETAINING WALL IS 30'-0" OR LESS. FIELD CUT ALTERNATE LONGITUDINAL BARS AT CONTROL JOINTS. TOP LONGITUDINAL BARS TO BE CONTINUOUS THROUGH CONTROL JOINT.

THE BACK FACE OF ALL RETAINING WALLS OVER TWO FEET HIGH SHALL BE DAMPPROOFED ABOVE THE TOP OF THE FOOTING.

WEEP HOLES SHALL BE PLACED AT 10'-0" CENTERS IN ALL RETAINING WALLS.

ALL EXPOSED FACES OF RETAINING WALLS SHALL BE BUILT WITH FORMS TO SIMULATE A BRICK FACE.

ALL REINFORCING STEEL SHALL BE EPOXY COATED.

